Fig. 1

Router
11

Network
10

Transmitter-
Receiver
12

13

14

15

16

Transmitter-
Receiver
17

Router
18

Network
19

S. No.	Source IP	Destination IP	Source Port	Destination Port	Maximum Sessions Accelerated	Max. Acceleration Per Session (Kbit/s)	Pre Allocate Resources	Comments
1	172.16.0.0/16	*	*	20	5	512	YES	The system will accelerate up to 5 ftp sessions originating from network 172.16.0.0, each up to 512 kbit/s. Rest will be bypassed.
2	*	10.0.0.0/24	*	80	10	256	NO	The system will attempt to accelerate up to 10 http sessions terminating on network 10.0.0.0, each up to 256 kbit/s. Rest will be bypassed.
3	192.168.10.0/8	*	*	*	*	*	N/A	The system will attempt to accelerate all TCP sessions originating from network 192.168.10.0 subject to resource availability.
4	*	*	*	20	*	*	N/A	This is a catch all for ftp. The system will attempt to accelerate all ftp sessions subject to resource availability.
5	*	*	*	*	*	*	N/A	This is a catch all for all TCP sessions. The system will attempt to accelerate all TCP sessions subject to resource availability.

Fig. 2

START

Receive IP datagram
30

Fig. 3

Is the protocol
field TCP?
31

N

Y

Configuration table
entry match? (Source
and Destination
address and port
numbers) 32

N

Is number of
accelerated sessions
at maximum for this
class? 33

Y

N

Are resources
available to
accelerate this
session ? 34

N

Is there an
existing lower
priority
session? 36

N

Y

Pre-empt resources
from lower-priority
session. 37

Process packet
unaccelerated.
38

Process packet
accelerated.

35

End